BRUHAT BENGALURU MAHANAGARAPALIKE

2020-21

Allied Works for Sweep Smart Project & Other Repairs Works for DWCC Centre in Ward No 5.

QUALITY CONTROL REPORT

Client: **Executive Engineer-3,** Soild Waste Management Division, BBMP, Bangalore.

CIVIL XPERTS

CONSULTANTS & TESTING CENTER

NABL Accrediated As Per ISO : 17025 - 2017

ISO 9001 : 2015

#174, Sri Ranga Complex, AmruthNagara Main Road, New Bank Colony, Konanakunte, Bangalore - 560062 | Mob : +91 97429 59595

Ph : 080 26322565 |e-mail : civilexpertsltd@gmail.com

Scanned by CamScanner

CIVIL XPERTS
ISO 9001:2015
CONSULTANTS & TESTING CENTER

Highway / Building Material Testing | Structural Strengthening Solutions
Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

NABL ACCREDITED AS PER ISO/IEC 17025:2017

Date: 09.11.2020

Job No.: CECTC/VCL/Ward No.5/2020-21

TEST REPORT

CLIENT	:	**Executive Engineer-3,** Soild Waste Management Division, BBMP, Bangalore.
AGENCY	:	**M/s. Venkateshwara Constructions K Lokaraju,** Contractor, Bangalore.
NAME OF THE WORK	:	Allied Works for Sweep Smart Project & Other Repairs Works for DWCC Centre in Ward No 5.
REFERENCE	:	EE-3/SWM/WO/16/2020-21 Date:03.10.2020
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	180 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	370 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.00%	-

Information is furnished by the Agency

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 15 days from date of issue.

For Civil Experts

Authorised Signature

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
Mobile : +91 97429 59595 | Tel/Fax : 080 2632 2565 | Email : civilexpertsltd@gmail.com | URL : www.civilexperts.co.in

Scanned by CamScanner

CIVIL XPERTS
ISO 9001:2015
CONSULTANTS & TESTING CENTER

Highway / Building Material Testing | Structural Strengthening Solutions
Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

NABL ACCREDITED AS PER ISO/IEC 17025:2017

Date : 09.11.2020

Job No.: CECTC/VLC/Ward No.5/2020-21

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Executive Engineer-3,** Soild Waste Management Division, BBMP, Bangalore.
Agency : **M/s. Venkateshwara Constructions K Lokaraju,** Contractor, Bangalore.
Name of Work : Allied Works for Sweep Smart Project & Other Repairs Works for DWCC Centre in Ward No 5.
Reference : EE-3/SWM/WO/16/2020-21 Date:03.10.2020
Date of Testing : 09.11.2020
Material : Sand
Total Wt. of Aggregates **1500**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	82	5.47	5.47	94.5	90-100
2.36	140	9.33	14.80	85.2	75-100
1.18	284	18.93	33.73	66.3	55-90
600 Micron	241	16.07	49.80	50.2	35-59
300 Micron	360	24.00	73.80	26.2	8-30
150 Micron	312	20.80	94.60	5.4	0-10

Information is furnished by the Agency

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15days from date of testing.

For Civil Experts
Authorised Signature

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
Mobile : +91 97429 59595 | Tel/Fax : 080 2632 2565 | Email : civilexpertsltd@gmail.com | URL : www.civilexperts.co.in

Scanned by CamScanner

CIVIL XPERTS
ISO 9001:2015
CONSULTANTS & TESTING CENTER

Highway / Building Material Testing | Structural Strengthening Solutions
Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

NABL ACCREDITED AS PER ISO/IEC 17025:2017

Job No.: CECTC/VLC/Ward No.5/2020-21

Date : 09.11.2020

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Executive Engineer-3,** Soild Waste Management Division, BBMP, Bangalore.
Agency : **M/s. Venkateshwara Constructions K Lokaraju,** Contractor, Bangalore.
Name of Work : Allied Works for Sweep Smart Project & Other Repairs Works for DWCC Centre in Ward No 5.
Reference : EE-3/SWM/WO/16/2020-21 Date:03.10.2020
Date of Testing : 09.11.2020
Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	476	3.17	3.17	96.83	95-100
20	8564	57.09	60.27	39.73	30-70
10	3162	21.08	81.35	18.65	10-35
4.75	2265	15.10	96.45	3.55	0-5

Information is furnished by the Agency

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15days from date of testing.

For Civil Experts

Authorised Signature

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
Mobile : +91 97429 59595 | Tel/Fax : 080 2632 2565 | Email : civilexpertsltd@gmail.com | URL : www.civilexperts.co.in

Scanned by CamScanner

CIVIL EXPERTS
ISO 9001:2015
CONSULTANTS & TESTING CENTER

Highway / Building Material Testing | Structural Strengthening Solutions
Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

NABL ACCREDITED AS PER ISO/IEC 17025:2017

Job No.: CECTC/VLC/Ward No.5/2020-21

Date : 09.11.2020

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Executive Engineer-3,** Soild Waste Management Division, BBMP, Bangalore.
Agency : **M/s. Venkateshwara Constructions K Lokaraju,** Contractor, Bangalore.
Name of Work : Allied Works for Sweep Smart Project & Other Repairs Works for DWCC Centre in Ward No 5.
Reference : EE-3/SWM/WO/16/2020-21 Date:03.10.2020
Date of Testing : 09.11.2020
Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	165	3.3	3.3	96.7	95-100
10	2520	50.4	53.7	46.3	25-55
4.75	1978	39.6	93.3	6.7	0-10

Information is furnished by the Agency

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15days from date of testing.

For Civil Experts

Authorised Signatory

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
Mobile : +91 97429 59595 | Tel/Fax : 080 2632 2565 | Email : civilexpertsltd@gmail.com | URL : www.civilexperts.co.in

Scanned by CamScanner

CIVIL XPERTS
ISO 9001:2015
CONSULTANTS & TESTING CENTER

Highway / Building Material Testing | Structural Strengthening Solutions
Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

NABL ACCREDITED AS PER ISO/IEC 17025:2017

Job No.: CECTC/VCL/Ward No.11/2020-21 Date: 10.12.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer-3,** Soild Waste Management Division, BBMP, Bangalore.

Agency : **M/s. Venkateshwara Constructions K Lokaraju,** Contractor, Bangalore.

Name of the work : Allied Works for Sweep Smart Project & Other Repairs Works for DWCC Centre in Ward No 5.

Reference : EE-3/SWM/WO/16/2020-21 Date:03.10.2020
Sample ID : Cement Concrete
Size of Cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M_{20}

Compressive Strength as on : 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.11.2020	10.12.2020	8.210	459.3	20.41
2	12.11.2020	10.12.2020	8.247	521.3	23.17
3	12.11.2020	10.12.2020	8.201	462.3	20.55

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಘನತ್ಯಾಜ್ಯ ನಿರ್ವಹಣೆ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For Civil Experts
Authorised Signature

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
Mobile : +91 97429 59595 | Tel/Fax : 080 2632 2565 | Email : civilexpertsltd@gmail.com | URL : www.civilexperts.co.in

Scanned by CamScanner

CIVIL XPERTS
ISO 9001:2015
CONSULTANTS & TESTING CENTER

Highway / Building Material Testing | Structural Strengthening Solutions
Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

NABL ACCREDITED AS PER ISO/IEC 17025:2017

Job No.: CECTC/VCL/Ward No.11/2020-21 Date: 10.12.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer-3,** Soild Waste Management Division, BBMP, Bangalore.

Agency : **M/s. Venkateshwara Constructions K Lokaraju,** Contractor, Bangalore.

Name of the work : Allied Works for Sweep Smart Project & Other Repairs Works for DWCC Centre in Ward No 5.

Reference : EE-3/SWM/WO/16/2020-21 Date:03.10.2020
Sample ID : Cement Concrete
Size of Cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M_{20}

Compressive Strength as on : 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.11.2020	10.12.2020	8.263	521.3	23.17
2	12.11.2020	10.12.2020	8.274	501.4	22.28
3	12.11.2020	10.12.2020	8.263	472.3	20.99

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

For Civil Experts

Authorised Signature

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
Mobile : +91 97429 59595 | Tel/Fax : 080 2632 2565 | Email : civilexpertsltd@gmail.com | URL : www.civilexperts.co.in

Scanned by CamScanner

CIVIL EXPERTS
ISO 9001:2015
CONSULTANTS & TESTING CENTER

Highway / Building Material Testing | Structural Strengthening Solutions
Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

NABL ACCREDITED AS PER ISO/IEC 17025:2017

Job No.: CECTC/VCL/Ward No.11/2020-21 Date: 10.12.2020

TEST REPORT ON CONCRETE CUBES

Client	: **Executive Engineer-3,** Soild Waste Management Division, BBMP, Bangalore.
Agency	: **M/s. Venkateshwara Constructions K Lokaraju,** Contractor, Bangalore.
Name of the work	: Allied Works for Sweep Smart Project & Other Repairs Works for DWCC Centre in Ward No 5.
Reference	: EE-3/SWM/WO/16/2020-21 Date:03.10.2020
Sample ID	: Cement Concrete
Size of Cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.11.2020	10.12.2020	8.206	471.3	20.95
2	12.11.2020	10.12.2020	8.225	521.1	23.16
3	12.11.2020	10.12.2020	8.236	496.3	22.06

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಘನತ್ಯಾಜ್ಯ ನಿರ್ವಹಣೆ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For Civil Experts
Authorised Signature

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
Mobile : +91 97429 59595 | Tel/Fax : 080 2632 2565 | Email : civilexpertsltd@gmail.com | URL : www.civilexperts.co.in

Scanned by CamScanner